Common GIS Workflows

- **Geodatabase**
  - Updating feature classes
- **Editing**
  - Set the editing environment
- **Analysis**
- **Cartography**
- **Sharing**
  - ArcGIS Online
  - ArcGIS for Server
Scenario

- Hamilton County Land Trust
- GIS volunteers
- Remotely located
- Training new volunteers
Geodatabase
Updating feature classes

1. Receive updated datasets
2. Delete existing datasets
3. Copy updated datasets into place
4. Updated geodatabase

1. Receive updated data
2. Delete existing features
3. Append updated features
4. Updated geodatabase
Sharing
Sharing a layer package to ArcGIS Online

1. Author content
2. Specify package location
3. Include additional files
4. Analyze content
5. Share layer
Editing
Setting the editing environment

1. Start an edit session
2. Choose the workspace
3. Choose feature template & construction tool
4. Set editing properties & options
5. Create new feature
6. Add or edit attributes
7. Save edits
Analysis
Spatial analysis framework

1. Frame the question
2. Choose and prepare data
3. Choose methods and tools
4. Perform the analysis
5. Examine and refine the results
6. Share the results
The analysis

**Question:** What are the projected costs of acquiring conservation easements on candidate parcels within the HCLT acquisition area?

**Data:** Parcels within the HCLT acquisition area

**Method:** Run a model to randomly assign costs to candidate parcels and sum the total. Run model multiple times to get a range of costs.

**Perform:** Run the HCLT Acquisition Model
Cartography
Map design workflow

Planning  Data  Symbology  Layout  Output
Sharing
Sharing a map as a service

Register data → Author content → Select service type → Configure service properties → Analyze content → Publish content
GIS workflows covered

- Geodatabase
  - Updating feature classes
- Editing
  - Set the editing environment
- Analysis
  - Spatial analysis framework
- Cartography
  - Map design workflow
- Sharing
  - Packages on ArcGIS Online
  - Services on ArcGIS for Server
Questions?

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Resources for when you get home

• **ArcGIS for Desktop tutorials**
  - Editing tutorial (5 parts)
  - Building a geodatabase tutorial (8 parts)

• **ArcGIS for Server tutorials**
  - Publishing a map service

• **Analysis**
  - Analysis and geoprocessing community

• **ArcGIS for Desktop Help**
  - Sharing data through packaging

• **ArcGIS for Server tutorials**
  - Publishing a map service

• **Cartography**
  - Mapping Center (mappingcenter.esri.com)
  - Cartographer’s Favorites
Thank you...

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